

**Notice of Allowability**

Application No.

10/092,157

Examiner

Russell M Kobert

Applicant(s)

REANO ET AL.

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed May 24, 2004.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☒ The drawings filed on 18 August 2003 and 30 September 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

1. Applicants' arguments in the Amendment filed May 24, 2004 are convincing and therefore the Finality of the last Office Action is hereby withdrawn and all previously indicated objections and rejections are also retracted. Applicants' assertion that Claims 1-18 are subject to rejoinder upon allowance of a linking claim (previously indicated as claim 22) is hereby acknowledged.

2. As claims 19-30 are now in condition for allowance, claims 1-18 are hereby rejoined.

***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

Bandgap modulation means for compensating the sensed characteristic of the output optical signal containing electric field information for corruption due to temperature variations as further described in claim 1 has not been found in view of Applicants' assertion "the uniqueness afforded by GaAs for measuring electric field and temperature (and for compensating the electric-field measurement for thermal effects) is only described in the present invention" (see page 10, lines 1-3 of Applicants' reply filed May 24, 2004).

Compensating the sensed characteristic of the output optical signal for corruption due to temperature variations with bandgap modulation of at least a portion of the output optical signal as further described in claim 10 has not been found in view of

Applicants' assertion "the bandgap modulation used and claimed in the present invention is never mentioned in the Zhang et al reference, and the joint electric-field/thermal measurement capability of the present invention is not anticipated, taught or rendered obvious by any cited reference including Zhang et al" (see page 10, lines 3-7 of Applicants' reply filed May 24, 2004).

Means for deriving a sensed characteristic independent of temperature variations as further described in claim 19 has not been found in view of Applicants' assertion "the uniqueness afforded by GaAs for measuring electric field and temperature (and for compensating the electric-field measurement for thermal effects) is only described in the present invention" (see page 10, lines 1-3 of Applicants' reply filed May 24, 2004).

It is further noted that the examiner's reasons are understood to be predicated upon consideration of each of the claims as a whole, and not upon any specific elements of the claims. Moreover, each of the claimed limitations has been considered in view of Applicants' assertions in the reply filed May 24, 2004.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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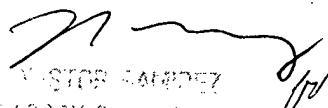
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Russell Kobert whose telephone number is (571) 272-1963.

The Examiner's Supervisor, Kammie Cuneo, can be reached at (571) 272-1957.

For an automated menu of Tech Center 2800 phone numbers call (571) 272-2800.



Russell M. Kobert  
Patent Examiner  
Group Art Unit 2829  
June 8, 2004

  
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